

# Biomass pyrolysis: A review of the process development researches up to the commercialisation stage

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Cross-Polymerization between the Typical Sugars and Phenolic Monomers in Bio-Oil: A Model Compounds Study. <i>Energy &amp; Fuels</i> , 2019, 33, 7480-7490.	2.5	26
2	Rapid reflectance difference microscopy based on liquid crystal variable retarder. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2019, 37, .	0.6	1
3	Cross-interaction during Co-gasification of wood, weed, plastic, tire and carton. <i>Journal of Environmental Management</i> , 2019, 250, 109467.	3.8	38
4	Pyrolysis Process as a Sustainable Management Option of Poultry Manure: Characterization of the Derived Biochars and Assessment of their Nutrient Release Capacities. <i>Water (Switzerland)</i> , 2019, 11, 2271.	1.2	27
5	Recent developments in lignocellulosic biomass catalytic fast pyrolysis: Strategies for the optimization of bio-oil quality and yield. <i>Fuel Processing Technology</i> , 2019, 196, 106180.	3.7	318
6	The performance of turbocharged diesel engine with injected calophyllum inophyllum methyl ester blends and inducted babul wood gaseous fuels. <i>Fuel</i> , 2019, 257, 116060.	3.4	14
7	Catalytic pyrolysis of poplar wood over transition metal oxides: Correlation of catalytic behaviors with physiochemical properties of the oxides. <i>Biomass and Bioenergy</i> , 2019, 124, 125-141.	2.9	82
8	Experimental and Modeling Analysis of Brewers' Spent Grains Gasification in a Downdraft Reactor. <i>Energies</i> , 2019, 12, 4413.	1.6	21
9	Simulation of Batch Slow Pyrolysis of Biomass Materials Using the Process-Flow-Diagram COCO Simulator. <i>Processes</i> , 2019, 7, 775.	1.3	11
10	Techno-economic and environmental sustainability of biomass waste conversion based on thermocatalytic reforming. <i>Waste Management</i> , 2020, 101, 106-115.	3.7	34
11	Insight into the formation mechanism of levoglucosenone in phosphoric acid-catalyzed fast pyrolysis of cellulose. <i>Journal of Energy Chemistry</i> , 2020, 43, 78-89.	7.1	54
12	Impacts of temperature on evolution of char structure during pyrolysis of lignin. <i>Science of the Total Environment</i> , 2020, 699, 134381.	3.9	52
13	Effects of hydrothermal carbonization on catalytic fast pyrolysis of tobacco stems. <i>Biomass Conversion and Biorefinery</i> , 2020, 10, 1221-1236.	2.9	14
14	Conversion of CO <sub>2</sub> to C <sub>1</sub> chemicals: Catalyst design, kinetics and mechanism aspects of the reactions. <i>Catalysis Today</i> , 2020, 358, 3-29.	2.2	78
15	Catalytic upgrading of biomass pyrolysis oil over tailored hierarchical MFI zeolite: Effect of porosity enhancement and porosity-acidity interaction on deoxygenation reactions. <i>Renewable Energy</i> , 2020, 148, 674-688.	4.3	47
16	Kinetic Analysis of Bio-Oil Aging by Using Pattern Search Method. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 1487-1494.	1.8	12
17	Thermochemical liquefaction of pig manure: Factors influencing on oil. <i>Fuel</i> , 2020, 264, 116884.	3.4	29
18	CO <sub>2</sub> -assisted catalytic pyrolysis of digestate with steel slag. <i>Energy</i> , 2020, 191, 116529.	4.5	21

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19	Catalytic upgrading of beech wood pyrolysis oil over iron- and zinc-promoted hierarchical MFI zeolites. <i>Fuel</i> , 2020, 264, 116813.	3.4	44
20	Recent progress in the development of catalysts for steam reforming of biomass tar model reaction. <i>Fuel Processing Technology</i> , 2020, 199, 106252.	3.7	139
21	Impacts of Renewable Energy Resources on Effectiveness of Grid-Integrated Systems: Succinct Review of Current Challenges and Potential Solution Strategies. <i>Energies</i> , 2020, 13, 4856.	1.6	29
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25	Potential of stepwise pyrolysis for on-site treatment of agro-residues and enrichment of value-added chemicals. <i>Waste Management</i> , 2020, 118, 667-676.	3.7	11
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38	Biomass Utilization for Energy Production. New Technologies. High Temperature, 2020, 58, 660-667.	0.1	3
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